



Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Numb Pers Killed		Estimated Damage Property Crops	January 2000 Character of Storm
ILLINOIS, South								
Jackson County (Mdh)Crbndl/Mrfysbro	<b>03</b> 60 MF	0910CST PH gusts were mea	usured at the C	Carbondale A	<b>0</b> Airport.	0		Thunderstorm Wind $(G52)^M$
Union County Jonesboro	03 A trair	0915CST ned spotter reporte	ed nickel-size	hail.	0	0		Hail (0.88)
Jackson County 2 NE Carbondale to 4 NE Carbondale		ed from fallen tr						Thunderstorm Wind (G100) tbuildings. Several homes were partially arby northwest Williamson County near
Williamson County Cambria	This t		nburst origin					Thunderstorm Wind (G75)  d partially unroofed several other homes. ty, and caused extensive damage in the
Johnson County .5 W Vienna	03 Trees	0938CST were blown down			0	0	5K	Thunderstorm Wind
Franklin County West Frankfort	03 Tree li	0940CST	ear West Fra	nkfort.	0	0		Thunderstorm Wind (G52)
Pope County Golconda	03 Tree li	1000CST mbs were blown	down.		0	0	3K	Thunderstorm Wind (G50)
Pulaski County Mound City	03	1010CST			0	0		Hail (0.75)
Massac County Countywide	03 Tree li	1100CST mbs were down c	ountywide.		0	0	3K	Thunderstorm Wind (G50)
Williamson County Marion	damag about wareh smalle	ged roof sections 150 feet long. O ouse building. A	of two buildine employee smaller build bughly 16 by	ings. A surve sustained m ling adjacent 20 feet and	ey by Nation inor back in to the war	onal Weat injuries. T ehouse h	ther Service person The main damage a ad roofing peeled of	Thunderstorm Wind (G87)  n. A wind gust estimated near 100 MPH nel indicated the damage path was only area was in the middle of the roof of a off. The damage area on the roof of the s. The damage to the roof of the larger
Union County Countywide	03	1415CST 1600CST			0	0		Urban/Sml Stream Fld
Williamson County Countywide	03	1415CST 1600CST			0	0		Urban/Sml Stream Fld

A series of thunderstorm complexes dumped over 4 inches of rain in a 24-hour period. A period of intense rainfall produced rapid



**Pike County** 

1 NE Cato

03

1220CST

### National Weather Service Storm Data and Unusual Weather Phenomena



Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		ber of sons Injured	Estimated Damage Property Cr	January 2000  Ops Character of Storm
ILLINOIS, South								
	rises ii	n creeks and sma	ll streams, as	well as some	urban stree	et flooding	in Marion. No	flood damage was reported.
Massac County Countywide	03		· · · · · · · · · · · · · · · · · · ·		0	0	10K	•
Countywide		1500CST 1700CST	1	1				Flash Flood
	round Metroj local s	of storms during polis, Weaver Ca treams overflow	g the late after reek rose out ed their banks	rnoon product of its banks, s. Flooding m	ed another briefly ca ade severa	inch or tw using traff l county ro	vo in a short tin ic problems as pads impassable	f rain, which saturated the ground. Another ne, which triggered flash flooding. North of it covered Old Marion Road. Several other for a short time. On one county road, a five s was closed due to high water.
Johnson County								
Countywide	03	1500CST 1700CST			0	0	10K	Flash Flood
								sed a number of county roads. Up to seven lamaged to varying degrees by erosion.
ILZ075>078-083		son - Wayne - E	dwards - Wa	bash - White				
	17	1600CST 2300CST			0	0		Freezing Rain
		od of freezing ra mainly on bridge			s produced	a light gla	ze, less than on	e quarter inch thick. Some icing occurred on
ILZ075>078-080>094		on - Wayne - Eo - Johnson - Pop					on - White - Ja	ckson - Williamson - Saline - Gallatin -
	22	0800CST 1600CST	e - Harum - A	Alexander -	0	0		Snow
	two, b	began during the	came quick sl			-	-	on. Accumulations averaged only an inch or e-car accident in northern Pope County that
INDIANA, Southwest								
Vanderburgh County								
Evansville	03	1110CST were down.			0	0	2K	Thunderstorm Wind (G50)
Posey County	Tices	were down.						
Mt Vernon	03 Three	1150CST power poles wer	e down at Har	rbortown. Tre	0 ees and pov	<b>0</b> ver lines w	4K ere down .	Thunderstorm Wind
Vanderburgh County								
Evansville	03 Trees	1158CST were down in do	wntown Evan	sville.	0	0	5K	Thunderstorm Wind (G50)
Vanderburgh County								
Evansville	Evans abando	ville. About 25 h	nomes were d ere roof dama	amaged. Mos age. Damage	st of the da	mage was	due to trees bei	Thunderstorm Wind (G65)  y a four square block area on the east side of ing blown onto roofs. Five homes had to be s mainly light. A vehicle was damaged by

25K

**Thunderstorm Wind** 





		Time	Path	Path	Numb	Number of Estima		nated		January 2000
		Local/	Length	Width	Pers	sons	Dan	nage		-
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	

#### **INDIANA**, Southwest

A house trailer was blown a few feet off its foundation. In the same area, a utility pole was blown over.

Pike County Countywide	03	1530CST 1700CST	0	0	Flash Flood
Vanderburgh County Countywide	03	1530CST 1700CST	0	0	Flash Flood

A series of thunderstorms with heavy rain dumped up to four inches of rain through midday, which saturated the ground. Another round of storms during the late afternoon produced 1 to 2 inches of rain, which triggered flash flooding. In Vanderburgh County, extensive street flooding was the main problem. In Pike County, there was significant road and highway flooding. In Petersburg, much of Highway 56 was flooded, along with several side streets.

### Spencer County Countywide

03 1810CST 0 0 10K Flash Flood

An average of 5 to 6 inches of rain fell in a 24-hour period. The most intense rainfall and resultant flooding occurred during the late afternoon and early evening hours. Several vehicles encountered high water and became submerged. Occupants of these vehicles were rescued by fire and rescue personnel. Indiana Route 662 near Newburgh was closed by a mudslide.

### INZ081>082-085>088

Gibson - Pike - Posey - Vanderburgh - Warrick - Spencer

17 1600CST 0 0 Freezing Rain 2300CST

A period of freezing rain during the evening hours produced a light glaze less than one quarter inch thick. Some icing was observed on roads, primarily bridges and overpasses. Ice may have contributed to an accident on the Ohio River bridge linking Evansville with Henderson. The U.S. 41 bridge was closed for over an hour due to the accident.

#### INZ081>082-085>088

Gibson - Pike - Posey - Vanderburgh - Warrick - Spencer

22 0800CST 0 0 Snow

Snow began during the morning hours and continued intermittently through the afternoon. Total accumulations averaged about 2 inches. Roads became very slippery, causing numerous accidents. Indiana State Police reported 28 accidents in southwest Indiana, and 19 of those were on Interstate 64. One of the worst problem areas was in Warrick County, where 12 accidents occurred on Interstate 64. No serious injuries were reported.

### **KENTUCKY**, Southwest

Ballard County Countywide	02 03	2200CST 0400CST	0	0	Urban/Sml Stream Fld
Carlisle County Countywide	02 03	2200CST 0400CST	0	0	Urban/Sml Stream Fld
Hickman County Countywide	02	2200CST	0	0	Urban/Sml Stream Fld

Repeated episodes of heavy rain from thunderstorms dumped up to 5 inches from late evening into the early morning hours. The report of 5 inches was from the Cunningham area of Carlisle County. Due to the ongoing drought, there were no major flooding problems, although water rose over several spots on low-lying roads such as Kentucky 307.





	Time	Path	Path	Numb		Estimated			January 2000
	Local/	Length	Width	Pers	ons	Dan	nage		
Location Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	

#### **KENTUCKY**, Southwest

<b>Mccracken County</b>													
Barkley Arpt to 3 S Paducah	03	0130CST 0530CST				0	1	1	10K		Fla	ash Flo	od
	ъ.	. 1 . 1		. 1					1	1	. 4		

Repeated episodes of heavy rain from thunderstorms dumped up to an inch per hour during the pre-dawn hours. At the Paducah National Weather Service office, close to 4 inches of rain fell in about 4 hours. Creeks and streams rose very rapidly over their banks. In southern McCracken County, a vehicle caught in creek floodwaters was swept off the road. The driver was rescued from the creek by someone in the neighborhood. Flash flooding of Cross Creek, which runs through the city of Paducah, damaged fences and yards. A number of homes in Paducah were flooded, mainly in poor drainage areas.

Ballard County 5 E Wickliffe	03	1100CST		0	0		Hail (1.00)
<b>Union County</b>							
Morganfield	03	1115CST 1145CST		0	0		Urban/Sml Stream Fld
	Some	ponding of water occur	rred on roadways. One ro	ad was ii	mpassabl	le.	
Henderson County							
3 E Cairo to Henderson	03	1145CST		0	0	5K	Thunderstorm Wind (G52)
Henderson	Trees	were blown down. Just	east of Cairo, a house su	stained n	ninor to	moderate roo	f damage.
Ballard County							
Countywide	03	1445CST 1645CST		0	0	800K	Flash Flood
Carlisle County							
Countywide	03	1445CST 1645CST		0	0	400K	Flash Flood
Mccracken County							
Countywide	03	1500CST 1700CST		0	0	50K	Flash Flood
<b>Livingston County</b>							
Countywide	03	1515CST 1715CST		0	0	90K	Flash Flood

Thunderstorms during the early morning hours produced 3 to 5 inches of rain, which saturated the ground. Another round of storms arrived during the late afternoon, producing another inch or two of rain in an hour. These heavy rainfall rates, up to 1.3 inches in 15 minutes in Carlisle County, triggered flash flooding. Road and bridge damage was significant. Two bridges were washed out in Ballard County, including one over Kentucky 358. In the Lovelaceville area of Ballard County, a creek overflowed, threatening homes and prompting the closure of U.S. Highway 62. In Carlisle County, where seven to eight roads were closed at one point, most of the damage was to bridge pilings and bridge approaches. In McCracken County, numerous water rescues were performed by emergency services personnel. Vehicles were stranded in floodwaters at a K-Mart parking lot in Lone Oak, just southwest of Paducah. Damage in Livingston County was relatively minor and confined mainly to rural county roads. A few residences in the aforementioned counties had basement flooding.

Livingston County Smithland	<b>03</b> About	1455CST 8 telephone pole	s were blown ove	r. Shingl	0 es and tin roo	0 ofs were	<b>5K</b> blown off.	Thunderstorm Wind
Crittenden County Crayne to 5 NE Shadey Grove	03	1508CST 1523CST	15	440	0	3	5M	Tornado (F3)





Time Path Path Number of Estimated Local/ Length Width Persons Damage
Location Date Standard (Miles) (Yards) Killed Injured Property Crops Character of Storm

#### **KENTUCKY**, Southwest

Although the tornado tracked about 15 miles through the county with estimated top winds of 160 MPH, damage was relatively light due to the rural nature of the land. Based on aerial surveys, structures that were heavily damaged or destroyed included 85 homes, 5 to 10 businesses, and 50 to 80 barns and outbuildings. Three people in the Crayne area were transported to a hospital for non life-threatening injuries. About 35 National Guard personnel were deployed to Crittenden County, primarily for damage assessment and security operations. An emergency shelter was opened to accommodate roughly 25 homeless persons.

Webster County
3 SW Diamond to
6 NE Diamond



This was one of many rural structures that was destroyed in Crittenden County.

The tornado caused extensive damage in the community of Diamond. Both Crittenden and Webster Counties were declared federal disaster areas.

Fulton	County
	nan to hfield

03 1515CST 1530CST 0 50K

Hail (1.00)

Tornado (F3)

Wind-driven hail as large as nickels damaged numerous vehicles and windows in Hickman. Quarter size hail fell in Crutchfield.

<b>Fulton County</b>	
Hickman	

03 1515CST 0 0 50K Thunderstorm Wind
Thunderstorm winds produced roof damage. Windows were blown out and trees were down.

#### Hickman County Clinton

03 1525CST 0 0 2K Thunderstorm Wind (G50) Trees were down.

### Fulton County Countywide

03 1540CST 0 0

Flash Flood

### Hickman County Countywide

03 1540<u>CST</u> 0 0 Flash Flood

Thunderstorms with very heavy rain produced 1 to 2 inches per hour on ground that was already saturated from heavy rain earlier in the day. Flash flooding of creeks and roads quickly followed. Water was over several roads around Hickman. State police





Time Local/ Length Width Persons Damage
Location Date Standard (Miles) (Yards) Killed Injured Property Crops Character of Storm

**KENTUCKY**, Southwest

reported widespread road flooding, with some spots impassable.

Baseball size hail was reported by emergency management officials.

**Graves County** 

1 SSE Mayfield 03 1547CST

Hail (2.75)

Marshall County

2 S Draffenville

03 1600CST 1630CST

0

Urban/Sml Stream Fld

An off-duty weather service employee reported U.S. Highway 641 was down to one lane due to water over the road.

Daviess County Rome to Owensboro

03 1606CST 7 880 0 18 64M Tornado (F3)



This Owensboro apartment complex was heavily damaged in the tornado.

The tornado first touched down near the community of Rome, just southwest of Owensboro, and entered the city near the southern boundary of Owensboro Airport. The tornado tracked northeast through the heart of Owensboro before dissipating on the east side of town. Peak winds were estimated at 180 MPH. Since the tornado path was mostly through densely populated residential and commercial areas, damage was in the tens of millions, but injuries were surprisingly few. Of the 18 injuries, one was critical, and the rest were relatively minor. The critically injured person was in a home near the beginning of the damage path. This person sustained broken vertebrae and numerous cuts and bruises. Owensboro landmarks heavily damaged by the tornado included Apollo High School, Kentucky Wesleyan College, and the Winn-Dixie Store. Damage to the 12 buildings at Kentucky Wesleyan College was estimated to be near 5 million dollars. Small to mid size automobiles were tossed about by the wind. Damage to utility lines was extensive, and repairs took about 10 days to complete. Final damage tallies showed about 1200 homes and businesses sustained damage. Of those 1200 structures, 101 were totally destroyed and 573 sustained major damage. Owensboro was declared a federal disaster area. An emergency shelter accomodated roughly 150 persons, including many from local nursing homes. Owensboro schools were closed for a week.

Caldwell County Countywide

03 1710CST 1915CST 0 5K

Flash Flood





	_	Time Local/	Path Length (Miles)	Path Width		sons	Dar	nated nage		January 2000
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	
KENTUCKY, South	<u>west</u>									
Crittenden County										
Countywide	03	1710CST 1900CST			0	0	30K		Flash Flood	
<b>Daviess County</b>										
Countywide	03	1720CST 1900CST			0	0	100K		Flash Flood	
<b>Hopkins County</b>										
Countywide	03	1720CST 1915CST			0	0	400K		Flash Flood	
Mclean County										
Countywide	03	1720CST 1930CST			0	0	15K		Flash Flood	
Webster County										
Countywide	03	1720CST 1930CST			0	0	20K		Flash Flood	
Henderson County										
Countywide	03	1800CST 1945CST			0	0	10K		Flash Flood	
Lyon County										
Countywide	03	1815CST 1945CST			0	0	3K		Flash Flood	
<b>Muhlenberg County</b>										
Countywide	03	1815CST 1950CST			0	0	5K		Flash Flood	
Calloway County										
Countywide	03	1820CST 1955CST			0	0	5K		Flash Flood	

A slow-moving band of thunderstorms with torrential downpours affected most of the Pennyrile region of West Kentucky. Storms earlier in the day had already saturated the ground, and this additional rain brought rainfall totals up to 5.66 inches at Princeton, 4.94 inches at Owensboro, and 5.47 inches at Marion. Many creeks and streams rose out of their banks. Many road closures were required due to washouts, especially in Crittenden, Webster, Daviess, and Mclean Counties. In Calloway County, Bee Creek flooded fields, including a soccer field. In Daviess County, about 50 homes on the southwest side of Owensboro were threatened or directly affected by flooding. Road closures in Daviess County included U.S. 431 and Kentucky Routes 2707, 2698, 2699, 661, and 81. In Mclean County, flooding was reported on Kentucky Routes 256, 797, and 136. Water was also over U.S. 431 at Island. Occurrences of road flooding were less numerous in Lyon and Caldwell Counties. In Hopkins County, between one quarter and one half million dollars damage was caused by road washouts. A Hopkins County school was flooded. In Henderson County, two homes just east and southeast of Cairo sustained flood damage.

Muhlenberg County Drakesboro	03 Severa	1725CST al trees were down.	0	0	4K	Thunderstorm Wind (G52)
Hopkins County Madisonville	03 Trees	1730CST were down.	0	0	3K	Thunderstorm Wind (G50)
Calloway County Murray	03 Tree l	1740CST imbs and power lines were down. Mi	0 nor roof damage was	0 reported	<b>8K</b>	Thunderstorm Wind (G52)
Trigg County Cadiz	<b>03</b> Nine o	1745CST or ten trees were down.	0	0	5K	Thunderstorm Wind (G52)



Altenburg

03

0840CST

### National Weather Service Storm Data and Unusual Weather Phenomena



January 2000 Estimated Damage Path Length (Miles) Time Local/ Path Width Number of Persons **KENTUCKY**, Southwest KYZ019 Daviess 2100CST 0 0 Flood Very heavy rain from thunderstorms during the previous 12 hours pushed Panther Creek out of its banks. KYZ018>019 **Henderson - Daviess** 1600CST 2300CST Freezing Rain A period of freezing rain during the evening hours produced a light glaze, measuring less than a quarter inch thick. There was some icing of roads, mainly on bridges and overpasses. Ice may have contributed to an accident on the U.S. 41 bridge over the Ohio River. The bridge was closed for over an hour. KYZ001>002-006-009-Fulton - Hickman - Graves - Calloway - Trigg - Christian - Todd 012-017-022 0400CST 1100CST 22 **Heavy Snow** Snow began falling shortly before sunrise and ended before noon. The snow fell heavily at times, with snowfall rates between 1 and 2 inches per hour. Total accumulations were 4 to 5 inches from Fulton and Hickman Counties east along the Tennessee border to Trigg, Christian and Todd Counties. Roads quickly became snow covered and slippery. There were a number of accidents, including some on Interstate 24 throughout western Kentucky. Most of the accidents were minor, involving vehicles off the road and in ditches. KYZ003>005-007>008-Carlisle - Ballard - Mccracken - Livingston - Marshall - Crittenden - Lyon - Caldwell - Union - Webster - Hopkins -010>011-013>016-018>021 Henderson - Daviess - Mclean - Muhlenberg 22 0800CST Snow 1600CST Snow began falling during the morning hours and continued intermittently through the afternoon. Average accumulations were around 2 inches. Roads became very slippery. Numerous accidents were reported. Owensboro police worked 11 accidents during the morning. On the western Kentucky parkway system, a large truck jack-knifed. No serious injuries were reported. MISSOURI, Southeast **Carter County** 0730CST Ellsinore to 03 3K Thunderstorm Wind (G52) Grandin Trees were blown down. **Ripley County** Naylor 0745CST 50K Thunderstorm Wind Along County Road EE, there was a damage path about 1/4 mile long. Along this path, metal sheds were destroyed, a barn was damaged, and a mobile home was blown off its foundation. On County Road CC, an equipment shed was destroyed. **Wavne County** Williamsville to 03 0820CST 3K Thunderstorm Wind (G50) Greenville Trees were blown down across E Highway outside of Greenville and across A Highway outside of Williamsville. **Bollinger County** Glenallen 03 0835CST 0 Thunderstorm Wind (G52) Spotters estimated gusts to 60 MPH. Some trees were down. **Perry County** 

0

0

8K

Thunderstorm Wind





January 2000 Estimated Damage Path Length (Miles) Number of Persons Time Local/ Path Width Date Character of Storm Standa MISSOURI, Southeast Utility poles were broken, and trees were down on power lines. **Butler County** 3 W Poplar Bluff 0840CST 15K Thunderstorm Wind A barn was blown down, and trees were down. Cape Girardeau County Jackson to 03 0850CST Thunderstorm Wind (G52) Shawneetown Emergency management reported gusts near 60 MPH at Jackson. Cape Girardeau County Dutchtown to Cape Girardeau 03 0850CST 0900CST 250K Thunderstorm Wind (G83)

Thunderstorm winds estimated between 90 and 100 MPH affected a small area about one-half mile wide and two miles long. The hardest hit areas were along Highway 74 west of Interstate 55, and in the 1200 block of South Kingshighway in Cape Girardeau. On Highway 74, two mobile homes were destroyed, and four others were badly damaged. A man was inside one of the mobile homes, but he escaped with only minor injuries. Two permanent homes were damaged. The roof of a trucking company at the Interstate 55 exit to Highway 74 was torn off, and a shop area of the business was destroyed. The roof was blown off the business office of a quarry on South Kingshighway. A woman in the quarry office received cuts and scratches. A section of Highway 74 west of I-55 was closed most of the day due to downed power lines. About 5,600 homes in Cape Girardeau County lost power due to the storm.

Mississippi County						
7 NE East Prairie	03	0946CST	0	0	5K	Thunderstorm Wind
	Tree	limbs and power lines were down.				
<b>Scott County</b>						
Perkins	03	0946CST	0	0		Thunderstorm Wind (G50)
	Tree	limbs were blown down.				
Scott County						
Sikeston	03	0946CST	0	0	4K	Thunderstorm Wind (G50)
	Tree	limbs were down.				,
Ripley County						
Doniphan	03	1208CST 1330CST	0	0		Flash Flood
<b>Butler County</b>						
Neelyville	03	1215CST 1345CST	0	0		Flash Flood
Scott County						
New Hamburg to Sikeston	03	1225CST 1350CST	0	0		Flash Flood
Stoddard County						
Dexter	03	1230CST 1400CST	0	0		Flash Flood

In Ripley County, flooding occurred along and south of the Little Black River and in Doniphan. Extensive flooding of low-lying areas was reported in Butler and Stoddard Counties. Flooded roads were reported in Butler County, but none of them were impassable. In Scott County, a creek rose out of its banks and flooded Route A between New Hamburg and Sikeston. The flooding was the result of a series of thunderstorms during the previous 12 hours that produced a combined total of 4 to 5 inches of rain.

Mississippi County					
Countywide	03	1240CST 1355CST	0	0	Urban/Sml Stream Fld





Estimated Damage January 2000 Path Length (Miles) Number of Persons Time Local/ Path Width Date Character of Storm MISSOURI, Southeast **New Madrid County New Madrid** 03 0 0 Urban/Sml Stream Fld Slow-moving bands of thunderstorms with torrential downpours brought rainfall totals over 4 inches in most areas. The rainfall total at the Farm Service Agency office at East Prairie for the entire 24-hour event was 7.25 inches. Over an inch per hour fell during the midday hours. In New Madrid, pumps were temporarily overwhelmed, causing streets to flood for about an hour. Across Mississippi County, there was flooding of streets, fields, and drainage ditches. **Stoddard County** 1315CST 6K Dexter Thunderstorm Wind A kennel was destroyed, and trees were down. MOZ114 New Madrid 0400CST 0900CST 0 0 22 **Heavy Snow** Snow began before sunrise and continued through mid-morning. Snowfall rates were 1 to 2 inches per hour. Total snowfall in the New Madrid area was 4 inches. The snow caused very slick roads and some accidents. MOZ100-107>110-114 Wayne - Carter - Ripley - Butler - Stoddard - New Madrid 0200CST 0900CST Snow Two to three inches of snow fell over extreme southeast Missouri during the early morning hours. Many schools were closed due to slippery highways. State police reported the usual increase in minor traffic mishaps when snow falls. MOZ086>087-100-Bollinger - Cape Girardeau - Wayne - Carter - Ripley - Butler - Stoddard - Scott - Mississippi - New Madrid 107>112-114 1500CST 2200CST Snow

Snow fell from the mid afternoon hours through the evening. Even though snowfall was only an inch or two, roads became slippery. Numerous traffic accidents were reported, particularly along Interstate 55. Many of the accidents involved vehicles skidding off the highway, some overturning. Some events were postponed due to the weather, such as open houses and dinners.